

Mathematics Colloquium

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**The Embedding Problem  
for Hopf Tori in  
Elliptic Three Manifolds**

*Abstract: Associated to an elliptic (constant curvature one) three manifold  $M$  is a foliation by special geodesics called Hopf geodesics. A Hopf torus in  $M$  is an immersed torus which is foliated by such geodesics. The embedding problem asks which conformal tori are realized as Hopf tori in  $M$ .*

*After a short introduction to elliptic geometry and Seifert three manifolds, we will discuss a solution to the embedding problem.*

**Monday, November 21**

**4:00-5:00 pm**

**204 Smith Hall**

**Please note special day**